



**CITY COUNCIL**  
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September 4, 2018

TO: COUNCIL CHAIR ERNEST MARTIN  
HONOLULU CITY COUNCIL

HEATHER MURAKAMI  
COUNCIL ADMINISTRATIVE SERVICES

FROM: COUNCILMEMBER JOEY MANAHAN

SUBJECT: Travel Report on Travel to Long Beach, California for the EPRI  
Electrification Conference 2018

For your information, attached is a travel report summarizing my participation in the Electric Power Research Institute (EPRI) Electrification Conference 2018 on the dates August 20 to 24, 2018.

If you have any questions regarding the report, you may call me at extension 85007 or email [jmanahan@honolulu.gov](mailto:jmanahan@honolulu.gov).

Thank you for your consideration.

## **Travel Report**

### **Electric Power Research Institute (EPRI) Electrification 2018 Conference: Innovation Through Electrified Transportation Technology Long Beach, CA August 20 to 24, 2018**

The EPRI conference held at the Long Beach Convention Center from August 20-24, 2018 conducted deep dives on critical aspects of transportation electrification, including charging infrastructure planning and implementation, vehicle cost and performance for light, medium, and heavy duty vehicles, as well as fleet and customer adoption challenges. Technical and product experts from vehicle and charging equipment manufacturers, installers, utility planners, and leading electric vehicle researchers were gathered at this conference and engaged in a dynamic and insightful discussion of the key elements necessary to facilitate widespread adoption of electric vehicles.

The automotive and transportation industry is making a shift to a more electrified future — one that involves utility companies, city developers, automakers, engineers and technology experts. Automakers around the world are investing big in EV technology and infrastructure, and EPRI experts predict that by 2050, 70% to 90% of all driver fueling will be done at home or work as a result of these investments.

As the first conference of its kind, Electrification 2018 focused on the underlying factors and motivations driving consumer demand for EVs and how emerging electric technologies are driving the global EV adoption rate. The conference and exhibition also showcased the benefits of electrification as it impacts carbon emission reduction and the sustainability of tomorrow's cities.

Apart from the electrification of transportation, I attended plenary sessions on grid modernization and breakthrough technologies. Electric utilities have a long history of implementing energy efficiency, demand side management and other programs that work to both benefit their customers while cost-effectively generating significant societal benefits. With the electrification of transportation, the development of smart cities, and the emergence of advanced energy communities, these panels explored new approaches that will enable utilities to support their customers as they adopt new electric technologies.

In addition, electrification has the potential to add new, significant load shapes to transmission and distribution systems that must evolve to incorporate a high level of renewable generation and distributed resources. I learned how planners will need to adapt T&D systems as electricity's share of end use energy consumption increases.

Finally, I attended panel discussions that focused on the high-level policy and regulatory considerations when evaluating efficient electrification's potential contribution to a cleaner, more flexible, reliable, and affordable energy future. The panels examined the role that efficient electrification could play in achieving public policy goals and identified barriers that exist to customer adoption of efficient electric technologies. The panels discussed how efficient electrification could provide benefits to all customers, including disadvantaged customers and examined the role of policy and regulation in incentivizing

electrification and explored these and other policy considerations pertaining to electrification.

Photos:





City Council  
City and County of Honolulu

# CLAIM FOR TRAVEL REIMBURSEMENT

Date: 4 September 2018

Traveler: Joey Manahan

Event: 2018 EPRI Electrification Conference

Location: Long Beach, California

Dates: From 19 August 2018

To 24 August 2018

Description	Amount	Notes:
1. Registration Fee	<del>695</del>	<del>(previously submitted) EPRI Electrification Conference</del>
2. Airfare	<del>496.59</del>	<del>(previously submitted) RT from Honolulu to Long Beach</del>
3. Hotel	1244.10 ✓	Hotel stay from 8/19 to 8/24
4. Meals	<del>268.12</del> 234.03 ✓	Meals while in Long Beach for conference.
5. Ground Transportation		
6. Tips	<del>28.88</del> 58.78 ✓	Tips for meals
7. Other	<del>300</del>	<del>(previously submitted) Workshop add-on for conference</del>
Other		
Other		
8. Adjustment		
TOTAL REIMBURSEMENT	<del>3082.2</del> 1536.91 ✓	Reimbursement check sans airfare, registration, and add-on will equal to \$1,840.67

This is to certify that the above data, based upon receipts submitted to Council Administrative Support Services via a CCLTRVL02 form, is accurate. Further, I am claiming reimbursement for expenses associated with a trip in which City business was conducted and personal funds were used to advance payment:

Signature of Traveler

Date